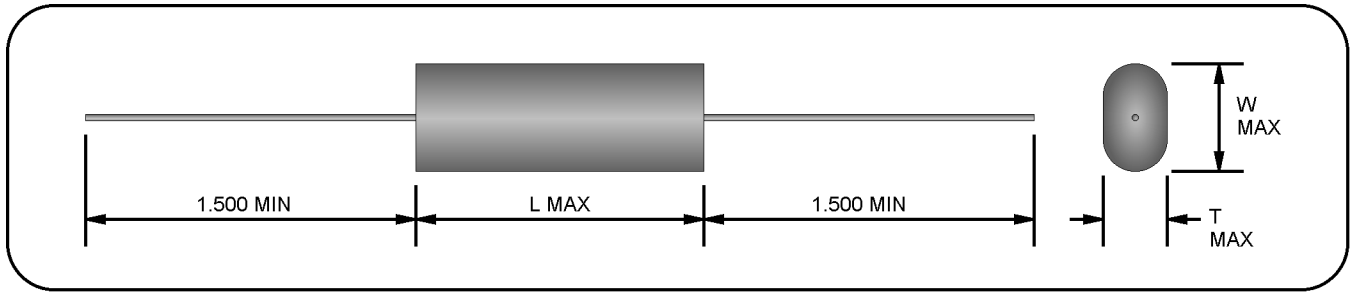
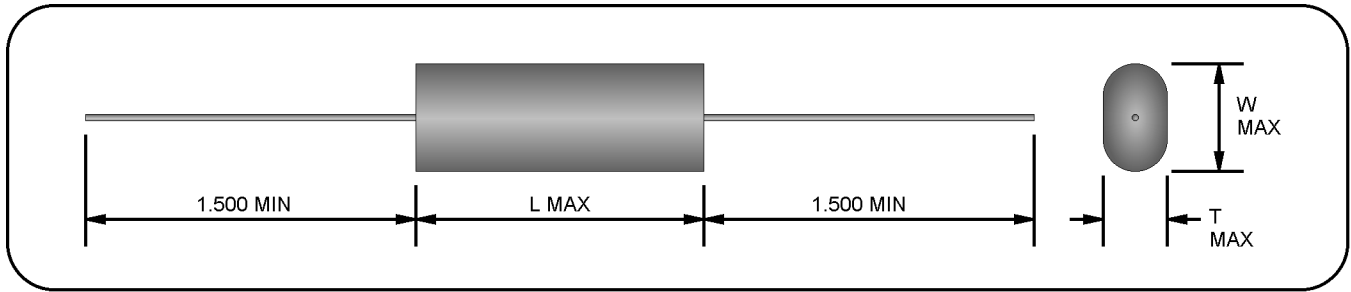


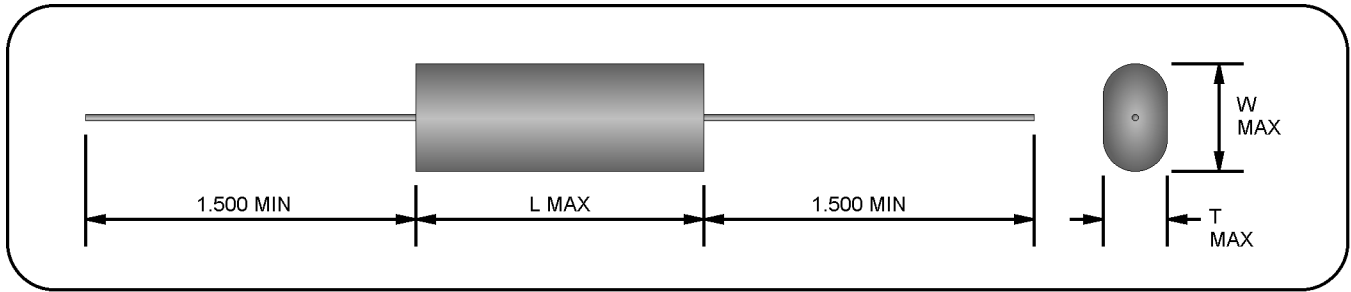
100VDC					
CAP (μ F)	T MAX	W MAX	L MAX	LEAD AWG	I _{PEAK} (A)
0.10	0.177" (4.5mm)	0.315" (8.0mm)	0.551" (14.0mm)	22	0.5
0.15	0.177" (4.5mm)	0.315" (8.0mm)	0.551" (14.0mm)	22	0.8
0.22	0.197" (5.0mm)	0.335" (8.5mm)	0.551" (14.0mm)	22	1.1
0.33	0.177" (4.5mm)	0.315" (8.0mm)	0.748" (19.0mm)	22	1.0
0.47	0.197" (5.0mm)	0.354" (9.0mm)	0.748" (19.0mm)	22	1.4
0.68	0.217" (5.5mm)	0.413" (10.5mm)	0.748" (19.0mm)	22	2.0
1.0	0.236" (6.0mm)	0.472" (12.0mm)	0.748" (19.0mm)	22	3.0
1.5	0.276" (7.0mm)	0.492" (12.5mm)	0.984" (25.0mm)	20	3.0
2.2	0.315" (8.0mm)	0.551" (14.0mm)	0.984" (25.0mm)	20	4.4
3.3	0.394" (10.0mm)	0.650" (16.5mm)	0.984" (25.0mm)	20	6.6
4.7	0.394" (10.0mm)	0.709" (18.0mm)	1.260" (32.0mm)	20	4.7
6.8	0.433" (11.0mm)	0.827" (21.0mm)	1.260" (32.0mm)	20	6.8
10.0	0.512" (13.0mm)	0.945" (24.0mm)	1.457" (37.0mm)	20	9.0
12.0	0.531" (13.5mm)	1.024" (26.0mm)	1.693" (43.0mm)	20	9.6
15.0	0.591" (15.0mm)	1.102" (28.0mm)	1.850" (47.0mm)	18	10.5
18.0	0.709" (18.0mm)	1.220" (31.0mm)	1.850" (47.0mm)	18	12.6



250VDC					
CAP (μ F)	T MAX	W MAX	L MAX	LEAD AWG	I _{PEAK} (A)
0.10	0.177" (4.5mm)	0.315" (8.0mm)	0.551" (14.0mm)	22	1.0
0.15	0.197" (5.0mm)	0.354" (9.0mm)	0.551" (14.0mm)	22	1.5
0.22	0.197" (5.0mm)	0.354" (9.0mm)	0.748" (19.0mm)	22	1.5
0.33	0.217" (5.5mm)	0.413" (10.5mm)	0.748" (19.0mm)	22	2.3
0.47	0.217" (5.5mm)	0.433" (11.0mm)	0.984" (25.0mm)	20	1.9
0.68	0.256" (6.5mm)	0.492" (12.5mm)	0.984" (25.0mm)	20	2.7
1.0	0.295" (7.5mm)	0.531" (13.5mm)	0.984" (25.0mm)	20	4.0
1.5	0.335" (8.5mm)	0.591" (15.0mm)	1.260" (32.0mm)	20	3.8
2.2	0.394" (10.0mm)	0.650" (16.5mm)	1.260" (32.0mm)	20	5.5
3.3	0.413" (10.5mm)	0.807" (20.5mm)	1.457" (37.0mm)	20	5.0
4.7	0.433" (11.0mm)	0.827" (21.0mm)	1.693" (43.0mm)	20	4.7
6.8	0.551" (14.0mm)	0.906" (23.0mm)	1.850" (47.0mm)	18	5.4
10.0	0.610" (15.5mm)	1.063" (27.0mm)	1.850" (47.0mm)	18	8.0
12.0	0.689" (17.5mm)	1.220" (31.0mm)	1.850" (47.0mm)	18	9.6



400VDC					
CAP (μ F)	T MAX	W MAX	L MAX	LEAD AWG	I _{PEAK} (A)
0.10	0.197" (5.0mm)	0.394" (10.0mm)	0.748" (19.0mm)	22	1.0
0.15	0.256" (6.5mm)	0.433" (11.0mm)	0.748" (19.0mm)	22	1.5
0.22	0.256" (6.5mm)	0.472" (12.0mm)	0.984" (25.0mm)	20	1.4
0.33	0.295" (7.5mm)	0.531" (13.5mm)	0.984" (25.0mm)	20	2.1
0.47	0.295" (7.5mm)	0.571" (14.5mm)	1.260" (32.0mm)	20	1.9
0.68	0.354" (9.0mm)	0.630" (16.0mm)	1.260" (32.0mm)	20	2.7
1.0	0.413" (10.5mm)	0.728" (18.5mm)	1.260" (32.0mm)	20	4.0
1.5	0.472" (12.0mm)	0.866" (22.0mm)	1.457" (37.0mm)	20	4.5
2.2	0.531" (13.5mm)	0.925" (23.5mm)	1.693" (43.0mm)	20	3.3
3.3	0.591" (15.0mm)	0.925" (23.5mm)	1.850" (47.0mm)	18	3.3
4.7	0.709" (18.0mm)	1.063" (27.0mm)	1.850" (47.0mm)	18	4.7
6.8	0.866" (22.0mm)	1.339" (34.0mm)	1.850" (47.0mm)	18	6.8



630VDC					
CAP (μ F)	T MAX	W MAX	L MAX	LEAD AWG	I _{PEAK} (A)
0.10	0.256" (6.5mm)	0.453" (11.5mm)	0.984" (25.0mm)	20	1.0
0.15	0.315" (8.0mm)	0.512" (13.0mm)	0.984" (25.0mm)	20	1.5
0.22	0.354" (9.0mm)	0.591" (15.0mm)	0.984" (25.0mm)	20	2.2
0.33	0.354" (9.0mm)	0.591" (15.0mm)	1.260" (32.0mm)	20	2.0
0.47	0.472" (12.0mm)	0.669" (17.0mm)	1.260" (32.0mm)	20	2.8
0.68	0.591" (15.0mm)	0.807" (20.5mm)	1.260" (32.0mm)	20	4.1
1.0	0.551" (14.0mm)	0.787" (20.0mm)	1.850" (47.0mm)	18	1.8
1.5	0.650" (16.5mm)	0.925" (23.5mm)	1.850" (47.0mm)	18	2.7
2.2	0.689" (17.5mm)	1.063" (27.0mm)	1.850" (47.0mm)	18	4.0
3.3	0.827" (21.0mm)	1.339" (34.0mm)	1.850" (47.0mm)	18	5.9

GENERAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

CONSTRUCTION: NON-INDUCTIVE WOUND METALLIZED POLYESTER.

CASE: TAPE WRAP CASE AND EPOXY FILL.

LEAD MATERIAL: AXIAL SOLDER COATED OR TINNED SOLID WIRE, AWG AS SPECIFIED IN TABLES.

DIMENSIONS: AS SPECIFIED IN TABLES.

ELECTRICAL CHARACTERISTICS

CAPACITANCE: AS SPECIFIED IN TABLES \pm REQUESTED TOLERANCE WHEN MEASURED AT OR REFERRED TO 1000 \pm 20 HZ AND 25 \pm 5 °C.

TOLERANCE: \pm 5%, \pm 10%, AND \pm 20% AVAILABLE. OTHER TOLERANCES AVAILABLE UPON REQUEST.

DISSIPATION FACTOR: SHALL NOT BE GREATER THAN 1.0% WHEN MEASURED AT OR REFERRED TO 1000 \pm 20 HZ AND 25 \pm 5 °C.

INSULATION RESISTANCE: SHALL BE GREATER THAN 15,000 M Ω FOR CAPACITANCE VALUES 0.33 μ F AND LESS OR 5,000 M Ω X μ F FOR CAPACITANCE VALUES GREATER THAN 0.33 μ F WHEN MEASURED AFTER 2 MINUTES ELECTRIFICATION AT 100VDC AND 25 \pm 5 °C.

DIELECTRIC STRENGTH: 160% RATED VOLTAGE FOR 2 SECONDS THROUGH A LIMITING RESISTANCE OF 100 OHMS/VOLT AT 25 \pm 5 °C.

RATED VOLTAGE: 100VDC, 250VDC, 400VDC, AND 630VDC AVAILABLE.

TEMPERATURE: -40 °C TO +85 °C AT FULL RATED VOLTAGE OPERATIONAL TEMPERATURE, DERATE LINEARLY 1.5%/°C ABOVE +85 °C TO +105 °C, +105 °C MAX STORAGE TEMPERATURE.

ADDITIONAL INFORMATION

ORDERING INFORMATION: ALL ASC CAPACITORS ARE ORDERED BY "FAMILY CAP-TOL-VOLT" DESIGNATION. (I.E. TO ORDER AN X623 0.1 μ F, \pm 10%, 250VDC CAPACITOR, REQUEST PART NUMBER "X623 .1-10-250")

SEE ALSO: "GENERAL INFORMATION - POLYESTER CAPACITORS" DOCUMENT FOR ADDITIONAL PHYSICAL, ELECTRICAL, AND PERFORMANCE CHARACTERISTICS NOT MENTIONED IN THIS FILE.

WARNING: INFORMATION ON THIS FILE IS SUBJECT TO CHANGE WITHOUT NOTICE AT ASC'S DISCRETION.

LAST MODIFIED: 08/27/01